

**What is Claimed is:**

1. A method for generating an alert sound in a portable telephone, comprising the steps of:

5       generating the alert sound in a low level when an incoming call is received; and  
       raising the level of the alert sound after a certain time period.

2. A method for adjusting an alert sound in a portable telephone, comprising the following steps of:

10       determining if an alert sound adjusting mode is set when an incoming call is received;

      generating the alert sound in a normal level, if the alert sound adjusting mode is not set;

      generating the alert sound in a low level lower than the normal level, if the alert  
 15       sound adjusting mode is set; and

      adjusting the level of the alert sound to the normal level after a certain time period.

3. A method for adjusting the level of an alert sound in a portable telephone  
 20       which has a flip or folder-type cover and a cover hatch sensor for detecting whether the cover is open or shut, comprising the steps of:

      determining if the cover is open when an incoming call is received;

      generating the alert sound in a normal level, if the cover is not open;

      generating the alert sound in a low level set lower than the normal level, if the  
 25       cover is open; and

adjusting the level of the alert sound to the normal level after a certain time period.

4. A method for generating an alert sound in a portable telephone having a  
 5 proximity sensor installed in a receiver for detecting if a human body is adjacent to the receiver within a predetermined distance, said method comprising the following steps of:

determining if the human body is adjacent to the receiver when an incoming call is received to the receiver;

10 generating the alert sound in a normal level, if the human body is not detected adjacent to the receiver;

generating the alert sound in a low level lower than the normal level, if the human body is detected adjacent to the receiver; and

15 adjusting the level of the alert sound to the normal level after a certain time period.

5. A method of generating an alert sound in a portable telephone which has a flip or folder-type cover, a cover hatch sensor for detecting whether the cover is open or shut and a proximity sensor installed in a receiver for detecting if a human body is  
 20 adjacent to the receiver within a predetermined distance, comprising the steps of:

determining if the cover is open and the human body is adjacent to the receiver when an incoming call is received;

generating the alert sound in a normal level, if the cover is not open or the human body is not detected adjacent to the receiver;

25 generating the alert sound in a low level lower than the normal level, if the

human body is detected adjacent to the receiver or the cover is open; and

adjusting the level of the alert sound to the normal level after a certain time period.

5           6. An apparatus for adjusting the level of an alert sound in a portable telephone having a flip or folder-type cover, said apparatus comprising:

a cover hatch sensor for detecting if the cover is open;

an audio processing unit for generating and outputting the alert sound via a speaker; and

10           a controller for determining if the cover is open when an incoming call is received, generating the alert sound in a normal level through control of said audio processing unit if the cover is not open, generating the alert sound in a low level set lower than the normal level through control of said audio processing unit if the cover is open, and then adjusting the level of the alert sound to the normal level after a certain  
15 time period.

7. An apparatus for adjusting the level of an alert sound in a portable telephone having a flip or folder-type cover, said apparatus comprising:

a proximity sensor installed in a receiver for detecting if a human body is  
20 adjacent to the receiver within a predetermined distance;

an audio processing unit for generating and outputting the alert sound via a speaker; and

a controller for inspecting if the human body is adjacent to the receiver when an incoming call is received, generating the alert sound in a normal level through control of  
25 said audio processing unit if the human body is not detected adjacent, to the receiver

generating the alert sound in a low level lower than the normal level through control of said audio processing unit if the human body is detected adjacent to the receiver, and adjusting the level of the alert sound to the normal level after a certain time period.

- 5           8. An apparatus for adjusting the level of an alert sound in a portable telephone having a flip or folder-type cover, said apparatus comprising:
  - a cover hatch sensor for detecting if the cover is open;
  - a proximity sensor installed in a receiver for detecting if a human body is adjacent to the receiver within a predetermined distance;
  - 10           an audio processing unit for generating and outputting the alert sound via a speaker; and
  - a controller for inspecting if the cover is open and the human body is adjacent to the receiver when an incoming call is received, generating the alert sound in a normal level through control of said audio processing unit if the cover is not open or the human
  - 15           body is not detected adjacent to the receiver, generating the alert sound in a low level lower than the normal level through control of said audio processing unit if the human body is detected adjacent to the receiver or the cover is open, and adjusting the level of the alert sound to the normal level after a certain time period.